Oregon
S C I E N T I F I C

WIRELESS THERMO CLOCK
## MODEL IWA-80055
USER'S INSTRUCTIONS
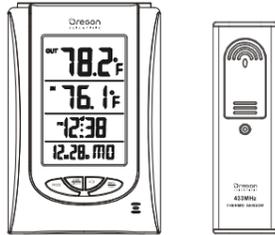
Thank you for your purchase of this wireless thermo clock. The utmost care has gone into the design and manufacture of your clock. Please read the instructions carefully and keep the manual for future reference.

The receiver unit has a clear, easy-to-read display that shows the indoor/outdoor temperature, time, date, month and day of the week . It is able to receive and display readings from the remote sensor.

The 433 MHz technology means no wire installation is required and you can place the sensor anywhere you like.

MAIN FEATURES:
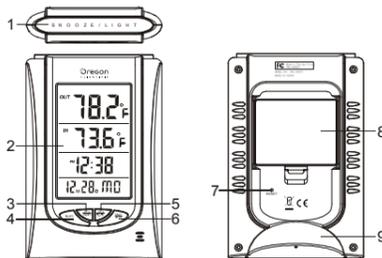
1. **SNOOZE / LIGHT:**
   - Press it to turn on the backlight for 5 seconds.
   - Press it to stop the current alarm when it is sounding.

2. **LCD display:**
   - Displays the time, date, month, day of the week, indoor/outdoor current temperature as well as the maximum and minimum indoor/outdoor temperature.

3. **ALM ON/OFF:**
   - Press it once to turn on the Alarm and Snooze; press it twice to turn on the Temperature Alarm; press it again to turn off all of them.
   - Press it to stop the current alarm when it is sounding.

4. **MODE:**
   - Press it to switch between normal time mode and alarm time mode.
   - Press and hold it for 2 seconds to enter the time setting mode.
   - In setting mode, press it to step the setting items.

5. **ADJ · °C/°F:**
   - Press it to switch between Celsius and Fahrenheit.
   - In setting mode, press it to change the setting values.

6. **MAX / MIN:**
   - Press it to check the minimum and maximum temperature records.
   - Press and hold it for 3 seconds to delete the maximum and minimum temperature records.

7. **RESET:**
   - Press it to reset all values to default values.
   - In case of malfunction, the unit may be required to reset.

8. **BATTERY COMPARTMENT:**
   - Accommodates 3 AA size batteries.

9. **FIXED TABLE STAND:**
   - Use it to stand the clock on the desktop.

TRANSMITTER:
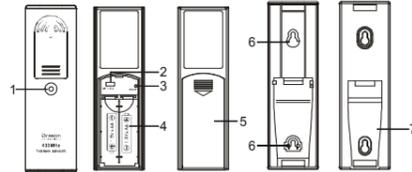
1. **LED indicator:**
   - Flashes when the remote unit transmits a reading.

2. **CHANNEL SLIDE SWITCH:**
   - Assign the transmitter to Channel 1, 2 or 3. (**NOTE:**The default and only effective channel for receiver is Channel 1.)

3. **RESET:**
   - Press it to restart the transmitter.

4. **BATTERY COMPARTMENT:**
   - Requires 2 AA size batteries (not included).

5. **BATTERY DOOR:**

6. **WALL-MOUNTING HOLDER:**
   - Supports the transmitter in the wall mounting.

7. **TABLE STAND:**
   - Use it to support the the sensor on a flat surface.

BEFORE USING THE TRANSMITTER

1. Remove the transmitter from the stand and open the battery door.
2. Insert 2 AA size batteries into the battery compartment. Make sure you insert them the right way according to the polarity information marked on the battery compartment.
3. Replace the battery door.
4. "Channel 1" must be selected for this model.

NOTE:

Avoid placing the transmitter in direct sunlight, rain or snow.

WEATHER STATION

1. Remove the battery door and insert 3 AA size batteries into the battery compartment. Make sure you insert them the right way according to the polarity information marked on the battery compartment.
2. Replace the battery door.
3. Press "RESET" key to restart the clock and it will synchronize with the transmitter automatically.

NOTE:

1. The building material and the position of receiver and transmitter affect the effective range. So try various locations to obtain the best result.
2. Place the unit away from metal objects and electrical appliances to minimize the interference. Position the receiver and transmitter within the effective transmission range: 100 feet in usual circumstances.

TIME AND CALENDAR SETTING

1. In normal time mode, press and hold "MODE" key for 2 seconds until the HOUR digit flashes.
2. Press "ADJ · °C/°F" key to change its value.
3. Repeat the above operations to set time and calendar in this order: Hour > Minute > Second > 12/24 Hr > Year > Month > Date.
4. Press "MODE" key to save and exit the setting mode, or let it exit automatically 30 seconds later without pressing any key.

ALARM TIME SETTING

1. In normal time mode, press "MODE" key to enter the alarm time mode.
2. Press and hold "MODE" key for 2 seconds to enter the alarm time setting mode until the HOUR digit flashes.
3. Press "ADJ · °C/°F" key to change its value.
4. Repeat the above operations to set the alarm Minute.

5. Press "MODE" key to save and exit the setting mode, or let it exit automatically 30 seconds later without pressing any key.

NOTE:

The alarm will be automatically turned on when you set the alarm time.

USING ALARM & TEMPERATURE ALARM FUNCTIONS

1. Set the alarm time as described in the previous section.
2. Press "ALM ON/OFF" key once to turn on the alarm and snooze with the bell icon " ♪ " and snooze icon "Zz" displayed on the LCD.
3. Press it twice to turn on the temperature alarm with the icon " ❄ " displayed.
4. Press it again to turn off all of them until the icons disappear.

NOTE:

1. To activate the temperature alarm function, ALARM must be on.
2. The temperature alarm can be turned on 30 minutes earlier than the alarm only when the transmitter's temperature is below -3°C (26°F).
3. Once the snooze function is turned on, the 4-step crescendo alarm will sound 7 times in 5-minute interval. The alarm duration is 60 seconds.
4. Enter the snooze mode; press the "ALM ON/OFF" key to stop the alarm completely and exit the snooze mode."

Alarm and Snooze ON   Temperature Alarm ON   Alarm/Temperature Alarm/Snooze OFF
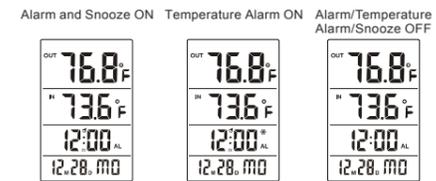
HOW TO READ INDOOR AND OUTDOOR TEMPERATURE RECORDS

Change the temperature unit to °C for Celsius or °F for Fahrenheit by pressing the "ADJ · °C/°F" key.

NOTE:

1. If no signals are received or the transmission is interfered, "---" will appear on the LCD.
2. Relocate the clock or the transmitter in other positions and make sure the transmission is within the effective range of 100 feet approx.
3. After several unsuccessful attempts to receive the temperature signal, please remove the batteries from the sensor and main display unit and start the setup procedure again and decrease the distance between the sensor and main display unit."

CHECKING AND DELETING MAX. /MIN. TEMPERATURE RECORDS

1. Press "MAX/MIN" key once to check the maximum temperature records. Press it twice to check the minimum records. Press it again to exit.
2. Press and hold "MAX/MIN" key for 3 seconds to delete the maximum and minimum temperature records.

MAX.temperature record   MIN.temperature record
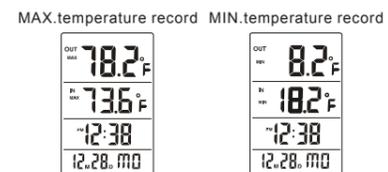
LOW BATTERY INDICATOR

When the LCD becomes dim, replace with 3 AA size batteries at once; while if the low battery indicator " ⊠ " appears on the LCD, it indicates that the battery power of the transmitter is not enough, and you should replace the batteries at once.

Transmitter's low battery indicator
(shows on the main unit)

PLACING THE TRANSMITTER OUTSIDE

The transmitter should be located in an area protected from direct sunlight and rain. Place the sensor under a covered location like a roof overhand or under the eaves. This will ensure accurate temperature readings. The transmitter comes with a wall mounting/desktop holder. When mounting on a wall, screw in place the holder using the top and bottom holes. Then secure the transmitter in the holder. The holder is also equipped with a table stand. With the transmitter secured on the holder, retract the leg on the rear of the holder and place on a flat surface.
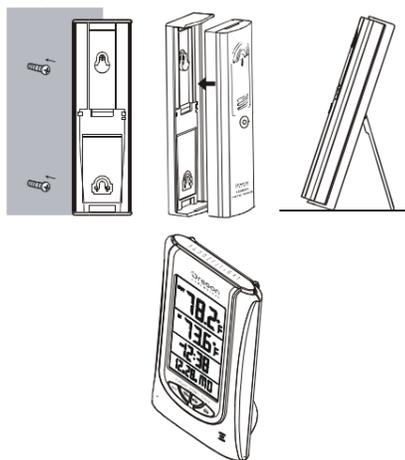
SPECIFICATIONS

MAIN UNIT

Recommended operating range: 0 °C to 45 °C
                                                        32 °F to 113 °F

Resolution: 0.1°C (above -10°C)
                          1°C (below -10°C)
                          0.1°F (-9.9°F ~ 99.9°F)
                          1°F (above 100°F & below -10°F)

REMOTE SENSOR

Recommended operating range: -20 °C to 55 °C
                                                        -4 °F to 131 °F

RF transmission frequency: 433 MHz

No. of remote unit: 1 unit

RF transmission range: maximum 100 feet

Temperature sensing cycle: around 60 ~ 64 seconds

Power

Main unit: 4.5V, use 3 x AA 1.5V alkaline battery

Remote sensor: 3 V, use 2 x AA 1.5V alkaline battery

Weight

Main unit: 8.57 oz

Remote sensor: 3.74 oz

Dimension

Main unit: 3.78(W) x 5.71(H) x 2.20(D) inch

Remote sensor: 1.57(W) x 1.26(H) x 0.94(D) inch

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OR
For international inquiries, please visit:
www2.oregonscientific.com/about/international.asp.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)   This device may not cause harmful interference, and
(2)   This device must accept any interference received, including interference that may cause undesired operation.

WARNING:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

•   Reorient or relocate the receiving antenna.
•   Increase the separation between the equipment and receiver.
•   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
•   Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com or on the warranty card for this product) for all inquiries instead.

We

Name: Oregon Scientific, Inc.
Address: 19861 SW 95th Place, Tualatin, Oregon 97062 USA

DECLARE THAT THE PRODUCT

Product No.:   IWA-80055
Product Name: Remote Thermo Clock

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1)   This device may not cause harmful interference.
2)   This device must accept any interference received, including interference that may cause undesired operation.

FC **Remote Thermo Clock**
        IWA-80055

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